

**WATER QUALITY CHARACTERISTICS OF KOSI RIVER AT KASHIPUR BAJPUR  
ROAD BRIDGE, US NAGAR**

Month	pH	BOD mg/L	COD mg/L	Conductivity	Temp	DO	TDS
<b>2023</b>							
Jan	7.24	1.2	5.0	210	10	8.6	145
Feb	7.88	1.8	6.0	240	12	8.4	171
Mar	7.18	1.4	5.0	230	14	8.4	160
Apr	7.35	1.8	6.0	240	17	8.2	160
May	7.61	2.2	6.0	230	20	7.6	151
June	7.80	2.0	20.0	558	31	7.3	365
July	7.90	2.2	20.0	248	28	7.0	152
Aug	7.50	2.6	16.0	230	28	7.2	131
Sept	7.50	2.8	16.0	211	29	7.0	119
Oct	7.26	2.0	6.0	230	16	7.8	157
Nov	7.67	1.6	6.0	240	15	8.0	160
<b>2022</b>							
Jan	7.9	3.1	10	410	8	7	277
Feb	7.20	3.0	9.6	260	22	7.2	174
Mar	7.60	3.2	10	300	25	6.1	210
Apr	7.70	3.0	10	310	28	6.7	210
May	7.50	3.4	12.8	447	28	6.5	300
June	7.30	3.2	11	515	30	6.5	345
July	7.50	3.5	14	506	28	6.8	340
Aug	7.10	6.0	35.5	220	30	6.0	146
Sept	8.10	5.0	23.8	211	28	6.1	139
Oct	8.0	5.2	24	203	25	5.8	135
Nov	8.10	5.2	26	356	24	5.6	236
Dec	7.24	1.6	6.0	230	13	9.2	157
<b>2021</b>							
Jan	7.90	4.0	24	750	14	4.60	503
Feb	7.90	3.0	16	700	23	9.80	472
Mar	7.80	3.20	12	640	25	8.80	428
Apr	7.50	3.50	15	632	24	8.50	388
May	7.20	3.20	12	612	22	8.70	323
June	7.40	3.0	10	618	24.8	9.0	414
July	7.30	6.0	20	710	28	4.50	480
Aug	7.40	4.90	14.30	697	33	6.60	466
Sep	7.5	4.6	13.8	688	32	6.8	460
Oct	7.3	5.50	20	600		5.20	396
Nov	7.1	5	18.5	589		6.1	394.63
Dec	7.40	4.6	16	560	27	6.5	375
<b>2020</b>							
Jan	7.3	4.0	8.0	404	30	6.4	262
Feb	7.46	4.0	25	430	30	5.9	259
Mar	8.3	3	20	200	32	6	123
Apr	7.5	3.5	20	450	32	6.6	298
May	7.8	3.6	24	369	40	5	253
June	8.10	4.6	24	256	36	3.2	370
July	7.9	4	19	420	29	4.2	281
Aug	7.96	4.8	16	390	32	6.7	274
Sep	7.96	4.9	17.3	393	31	6.3	270
Oct	7.9	4.0	20	410	32	4.2	274

<b>Nov</b>	7.8	4.5	21	420	18	4.1	314
<b>Dec</b>	7.3	4.6	20	410	17	4.3	304
<b>Average</b>	7.8	4.1	19.5	379.3	29.9	5.2	273.5
<b>Min-Max</b>	(7.3-8.3)	(3-4.9)	(8-25)	(200-450)	(17-40)	(3.2-6.7)	(123-370)
<b>2019</b>							
<b>Jan</b>	7.20	2	4	430	12	8.20	280
<b>Feb</b>	7.60	4	18	390	15	6.2	264
<b>Mar</b>	8.1	12	36	510	24	8.2	267
<b>Apr</b>	7.4	3.4	18	280	30	5.8	286
<b>May</b>	7.6	3.8	22	320	38	6.0	330
<b>June</b>	7.4	3	24	580	38	6.2	275
<b>July</b>	7.6	2	20	429	32	4.6	279
<b>Aug</b>	7.1	2.4	25	210	32	6.2	199
<b>Sep</b>	7.1	3.4	20	278	32	4.60	181
<b>Oct</b>	7.5	5.0	10.0	261	30	4.8	170
<b>Nov</b>	7.1	8.0	30	471	28	3.0	316
<b>Dec</b>	7.3	4.6	10	320	12	4.2	215
<b>Average</b>							
<b>Min-Max</b>							
<b>2018</b>							
<b>Jan</b>	7.1	4	14.2	310	19.7	7.2	198
<b>Feb</b>	7.3	2.2	14	330	22	7.8	220
<b>Mar</b>	6.8	6	18	330	28	6.4	222
<b>Apr</b>	7.48	14	38	510	26	4	336
<b>May</b>	7.3	12	32	430	29	5.2	276
<b>June</b>	7.3	10	28	330	29	6.4	216
<b>July</b>	7.4	4	12	340	28	6.8	225
<b>Aug</b>	7.2	3.2	10	310	26	7.2	202
<b>Sep</b>	6.9	3.4	12	280	26	7.2	184
<b>Oct</b>	7.2	3.2	10	270	26	6.8	186
<b>Nov</b>	7.1	4.8	12	270	23	6.6	176
<b>Dec</b>	7.5	2.4	10	410	16	7.6	260
<b>Average</b>	<b>7.21</b>	<b>5.76</b>	<b>17.51</b>	<b>343.33</b>	<b>24.89</b>	<b>6.6</b>	<b>225.08</b>
<b>Min-Max</b>	<b>(6.8-7.5)</b>	<b>(2.2-12)</b>	<b>(10-38)</b>	<b>(270-510)</b>	<b>(16-29)</b>	<b>(4-7.8)</b>	<b>(176-336)</b>